

ELECTRICAL SPECIFICATIONS

MCE FL P/N	L - ±25% HENRIES	E-RMS, 60Hz VOLTS	I - DC mAmps	R - ±20% OHMS	L - MIN HENRIES	MCE NL P/N
25FL20	.0083	.240	2040	.090	.0017	25NL20
25FL21	.0013	.310	1620	.15	.0027	25NL21
25FL22	.0021	.385	1280	.23	.0044	25NL22
25FL23	.0033	.485	1020	.36	.0069	25NL23
25FL24	.0053	.60	808	.59	.011	25NL24
25FL25	.0083	.80	641	.91	.017	25NL25
25FL26	.013	1.00	508	1.4	.028	25NL26
25FL27	.021	1.25	403	2.2	.044	25NL27
25FL28	.033	1.55	320	3.5	.070	25NL28
25FL29	.053	1.95	253	5.4	.11	25NL29
25FL30	.083	2.45	201	8.7	.18	25NL30
25FL31	.13	3.10	159	14	.28	25NL31
25FL32	.21	3.90	126	22	.45	25NL32
25FL33	.33	4.95	100	36	.71	25NL33
25FL34	.53	6.0	80	57	1.1	25NL34
25FL35	.83	8.0	63	89	1.8	25NL35
25FL36	1.3	10.0	50	140	2.9	25NL36
25FL37	2.1	12.5	40	220	4.6	25NL37
25FL38	3.3	16.0	31	360	7.2	25NL38
25FL39	5.3	20.0	25	570	11	25NL39
37FL18	.0010	.465	3250	.059	.0019	37NL18
37FL19	.0016	.60	2580	.092	.0031	37NL19
37FL20	.0025	.75	2040	.15	.0048	37NL20
37FL21	.0040	.90	1620	.23	.0077	37NL21
37FL22	.0063	1.15	1280	.36	.012	37NL22
37FL23	.010	1.45	1020	.59	.019	37NL23
37FL24	.016	1.85	808	.93	.031	37NL24
37FL25	.025	2.35	641	1.5	.049	37NL25
37FL26	.040	2.95	508	2.3	.078	37NL26
37FL27	.063	3.70	403	3.5	.12	37NL27
37FL28	.10	4.70	320	5.8	.20	37NL28
37FL29	.16	6.0	253	9.2	.31	37NL29
37FL30	.25	7.5	201	15	.50	37NL30
37FL31	.40	9.5	159	23	.79	37NL31
37FL32	.63	12.0	126	37	1.3	37NL32
37FL33	1.0	15.0	100	58	2.0	37NL33
37FL34	1.6	19.0	80	92	3.2	37NL34
37FL35	2.5	24.0	63	150	5.1	37NL35
37FL36	4.0	30.0	50	230	8.0	37NL36
37FL37	6.3	38.0	40	380	13	37NL37
50FL17	.0021	1.00	4100	.066	.0027	50NL17
50FL18	.0033	1.25	3250	.11	.0043	50NL18
50FL19	.0052	1.55	2580	.17	.0068	50NL19
50FL20	.0083	1.95	2040	.26	.011	50NL20
50FL21	.013	2.45	1620	.41	.017	50NL21
50FL22	.021	3.10	1280	.66	.027	50NL22
50FL23	.033	3.90	1020	1.1	.043	50NL23
50FL24	.052	4.90	808	1.6	.068	50NL24
50FL25	.083	6.0	641	2.6	.11	50NL25
50FL26	.13	8.0	508	4.3	.17	50NL26
50FL27	.21	10.0	403	6.7	.28	50NL27
50FL28	.33	12.5	320	11	.44	50NL28
50FL29	.52	15.5	253	17	.70	50NL29
50FL30	.83	20.0	201	28	1.1	50NL30
50FL31	1.3	25.0	159	45	1.8	50NL31
50FL32	2.1	31.5	126	68	2.8	50NL32
50FL33	3.3	39.5	100	110	4.5	50NL33
50FL34	5.2	50	80	190	7.1	50NL34
50FL35	8.3	65	63	270	11	50NL35
50FL36	13	80	50	430	18	50NL36

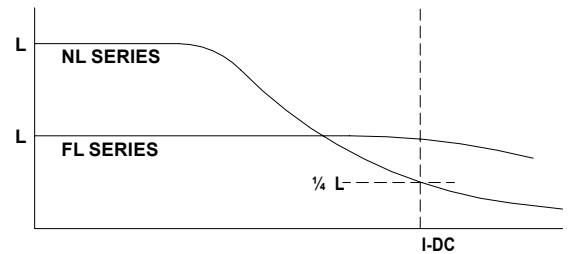
APPLICATION FEATURES

Miniature chokes, primarily for use in DC power-supply smoothing-filter applications, are offered in two series: (1) the linear FL SERIES and (2) the "swinging" NL SERIES.

The FL SERIES chokes are especially suited for requirements where the DC will be 50 to 100% of I-DC rated. They will provide the most inductance in this range.

The NL SERIES chokes are generally more suitable where the DC will vary between 10 to 100% of I-DC rated. The inductance at rated I-DC is approximately 1/4 of the value at I-DC = 0.

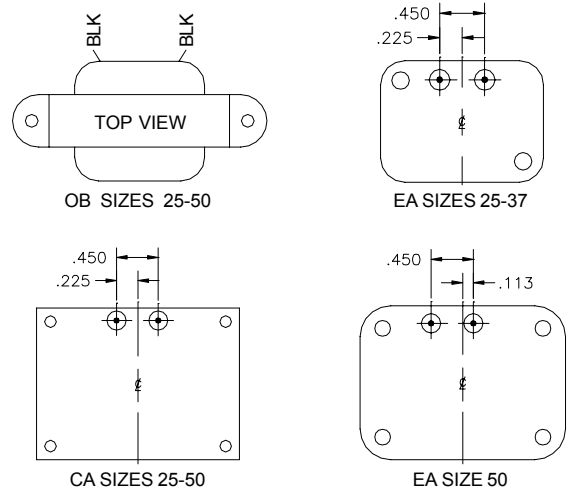
TYPICAL L VS I-DC CHARACTERISTICS



Both SERIES are listed by size in the tables of specifications. The V, I-DC, and R are the same for similar part numbers, only the inductance values and characteristics are different.

All parts are available in any of the MCE Miniature Line package options (OB, CA, EA etc.).

TERMINAL / LEAD LOCATION



NOTES

- The inductance values given are at the corresponding V-RMS 60 Hz voltages and I-DC = 0. For test purposes, inductance measurements can be made by impedance, or E-I method.
- All electrical data at 20°±5°C.
- Sizes 25 and 37 encapsulated parts (EA) have only 2 through holes.
- All OB type parts with part numbers ending with 15, 16, or 17 have self leads (solid) with sleeving.
- Specify complete part number, e.g. CA25FL20, OB37NL18, EA50FL17.

	INIT.	DATE	TOLERANCES	MAGNETIC CIRCUIT ELEMENTS INC.		
PROD.	<i>MAP</i>	4-6-06	DECIMALS (IN.) .XX = ± 0.03 .XXX = ± 0.010 VOLTS = ± 5%			
ENG.	<i>JC</i>	4-6-06		DC FILTER CHOKES		
Q.A.	<i>BT</i>	4-6-06	CAGE 09349	DESCRIPTION	SIZE	DWG. NO.
REV.				LAMINATION CORE TYPE	A	FL/NL (25-50)